Verizon NOAA/ISCS Advisory Bulletin: 0815200601

Software Effected:

Hughes PDReceiver Software.

Windows Revisions including and older than 4.2.0.44
Linux Revisions including and older than 2.1.41
Linux Fedora Revision including at older than 2.2.7

Problem:

Intermittent loss of Files

Reason:

In rare instances the PDReceiver software may loose synchronization with the PDSender software on the Multicast server located in Andover.

When this occurs the database file "fdb.dat" that is located in the /usr/hns/pdreceiver/db directory starts to increase in size. When this file is large (over 100 Megabytes) and keeps increasing, the database access time increases. The increase database size then causes the PDReceiver to have problems keeping up with receiving incoming data. There is a dependency on the speed of the processor on the receiving host and the size of the PDReceiver database. Under normal operation the PDReceiver database file (/usr/hns/pdreceiver/db/fdb.dat) should be 10 Megabytes or less at all times.

Immediate Action:

1. Stop PDReceiver
2. Delete all files in the /usr/hns/pdreceiver/db directory
3. Reboot computer
4. Restart PDReceiver
5. Confirm all files in the /usr/hns/pdreceiver/db directory get regenerated.
6. Confirm weather files are being received.

Permanent Corrective Action:

Update with the following latest revisions

Windows Revision 4.2.0.45
Linux Revision 2.2.11-1
Linux Fedora Revision   2.2.11